

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): . A sample drying device comprising:
 - a channel for a sample flowing in said channel; and
 - a sample drying area having an opening communicating with said channel,
 - wherein said sample drying area comprises a fine channel narrower than said channel.
2. (original): A sample drying device comprising:
 - a main channel for a sample flowing in said main channel;
 - a plurality of side channels branched from said main channel; and
 - a sample drying area communicating with said side channels, wherein said sample drying area has a fine channel narrower than said side channels.
3. (original): The sample drying device as claimed in Claim 2,
 - wherein said sample contains multiple components and said main channel comprises a separating portion to separate said components.
4. (original): The sample drying device as claimed in any of Claims 1 to 3,
 - wherein said sample drying area comprises a plurality of protrusions separated each other.

5. (original): The sample drying device as claimed in Claim 4,

wherein said drying area has a shape so that the top of said sample drying area projects from said opening.

6. (currently amended): The sample drying device as claimed in any of Claims 1 to

53,

wherein said sample drying area is filled with multiple particles.

7. (currently amended): The sample drying device as claimed in any of Claims 1 to

63,

wherein said sample drying area is filled with a porous material.

8. (currently amended): The sample drying device as claimed in any of Claims 1 to

73,

wherein said sample drying area has a lid comprising a fine channel communicating with said outside of said sample drying device.

9. (currently amended): The sample drying device as claimed in any of Claims 1 to

83,

wherein said sample drying device comprises a temperature controller for controlling a temperature of said sample drying area.

10. (currently amended): A mass spectrometer comprising a sample drying area included in said sample drying device as claimed in any of Claims 1 to 93, as a sample holder.

11. (currently amended): A mass spectrometry system comprising:

separating unit separating components in a biological sample by their molecular sizes and properties;

pretreatment unit pretreating said sample separated by said separating unit including enzymatic digestion;

drying unit drying the pretreated sample components; and

mass spectrometry unit conducting mass spectrometry for the dried sample,

where in said drying unit comprises said sample drying device as claimed in any of

Claims 1 to 93.